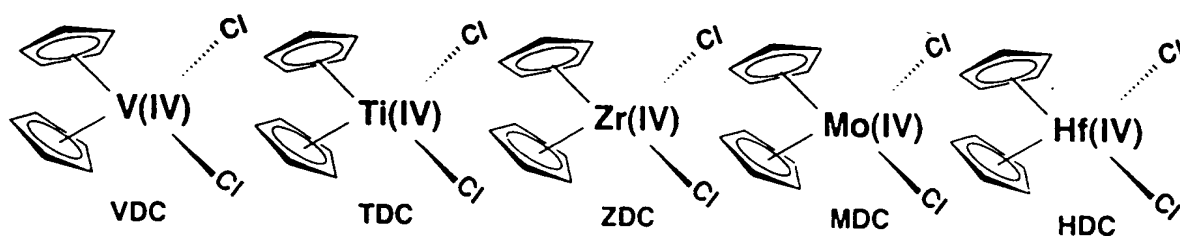


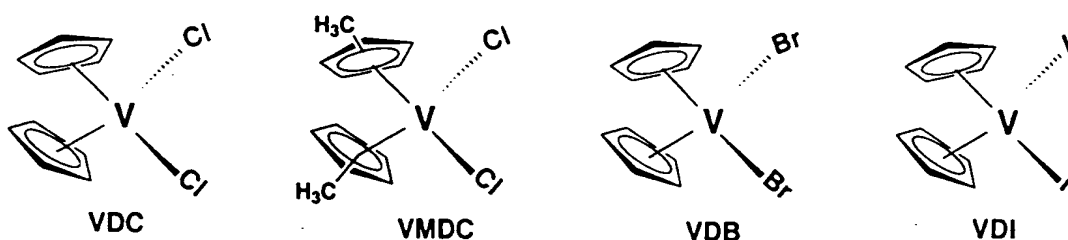
A. M tallocene dichlorides:



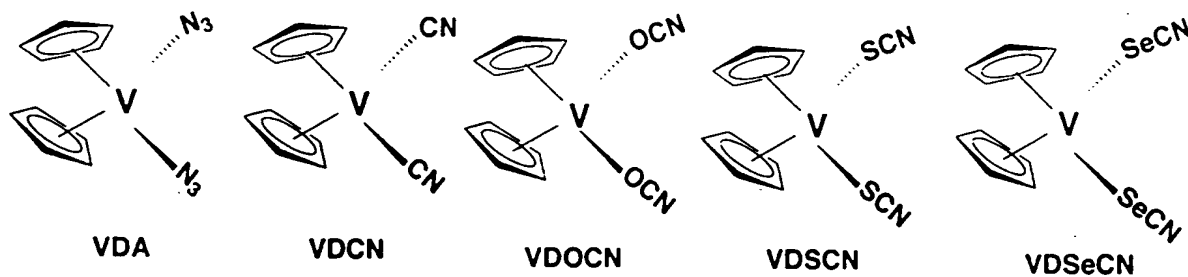
= Cyclopentadiene (Cp)



B. Vanadocene dihalides:



C. Vanadocene di-pseudohalides:



D. Vanadocene disubstituted derivatives:

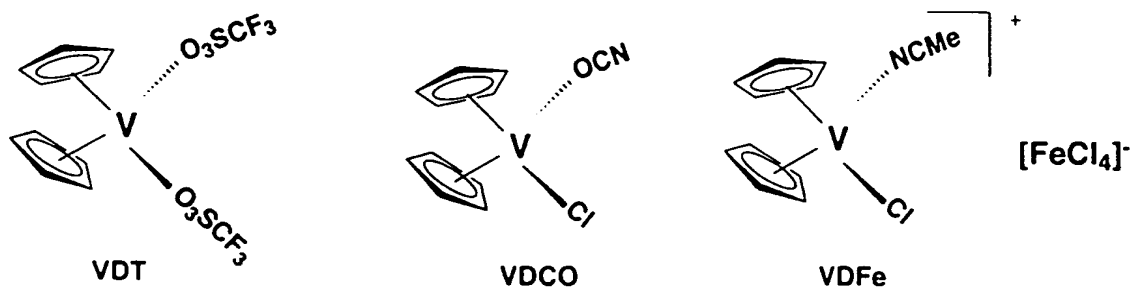


FIG. I

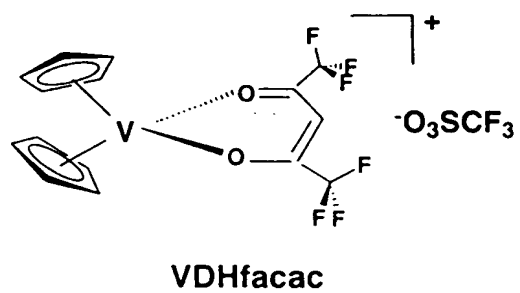
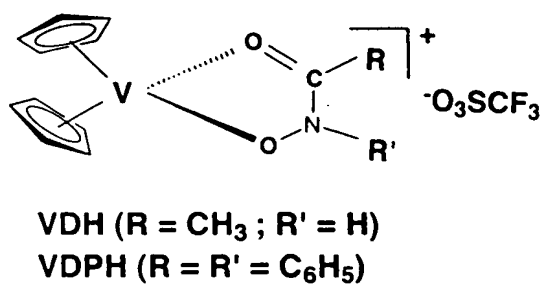
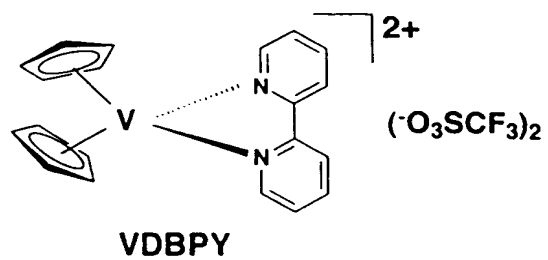
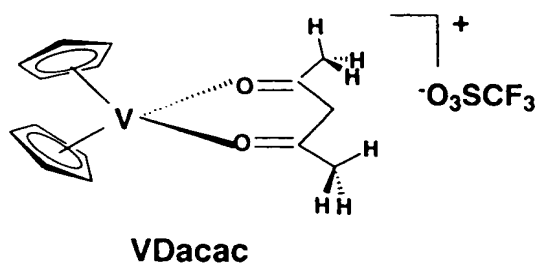


FIG. 1A

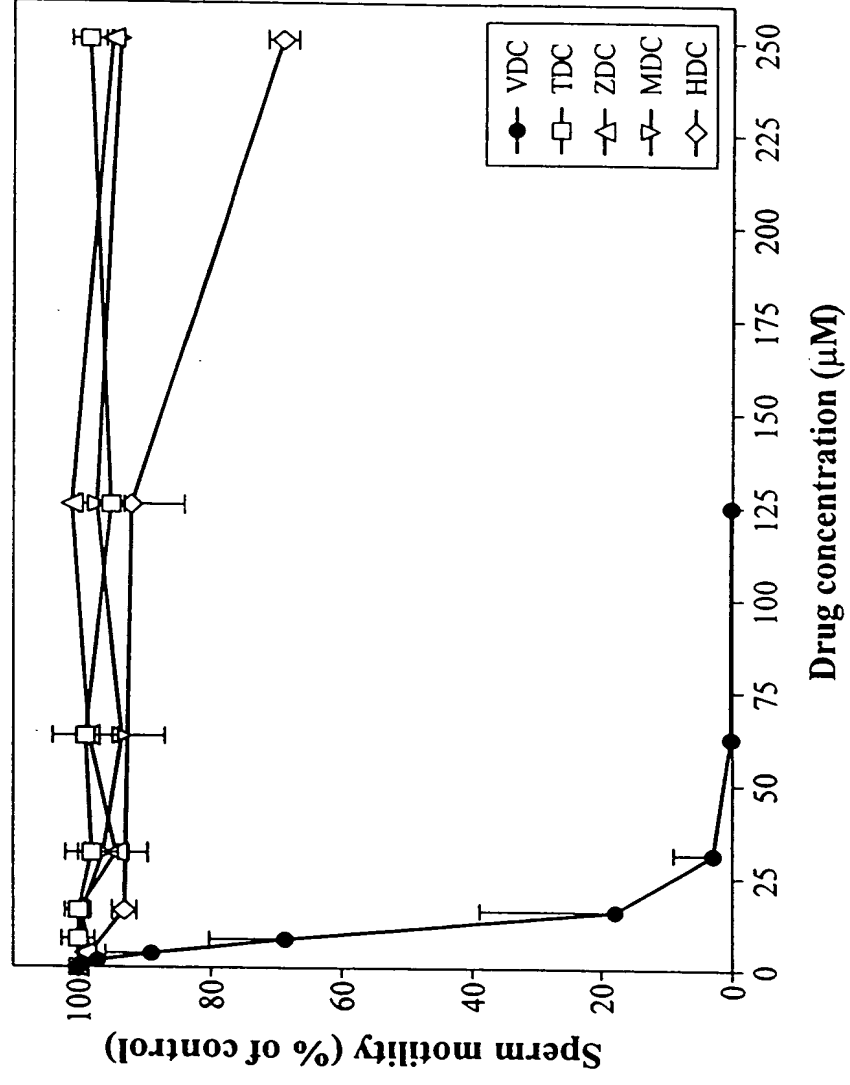


FIG. 2

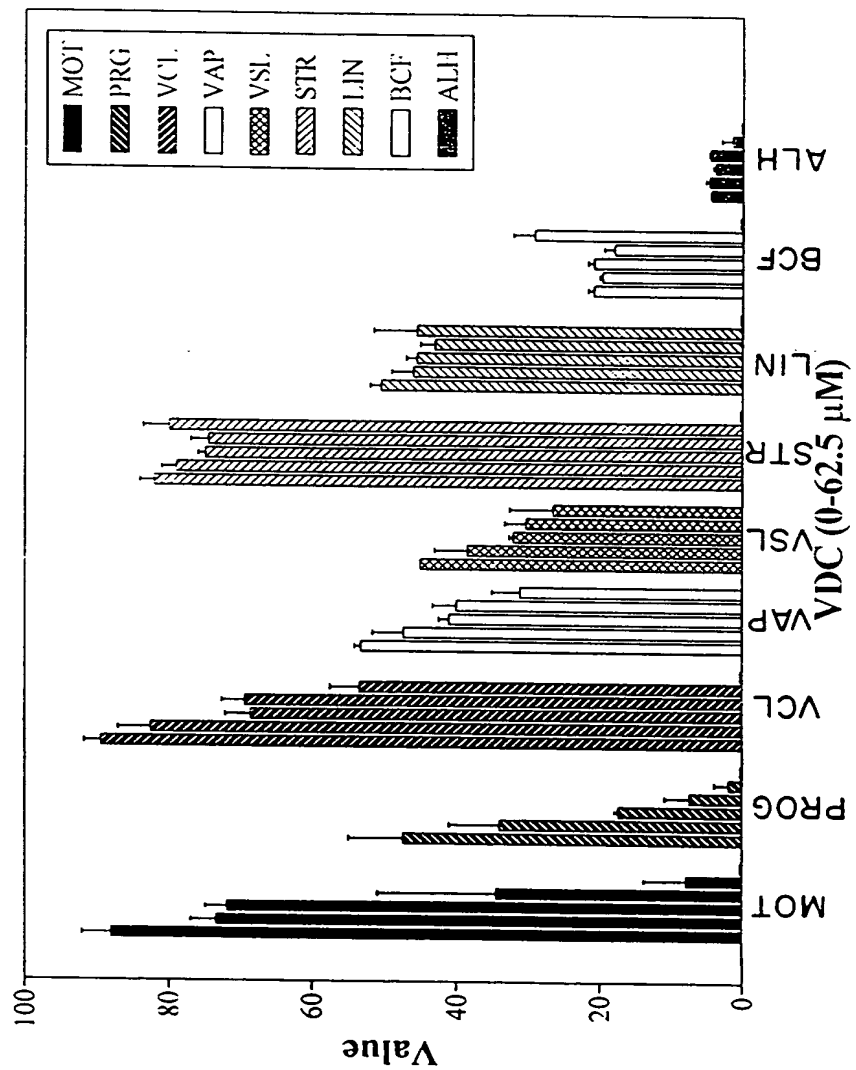


FIG. 3

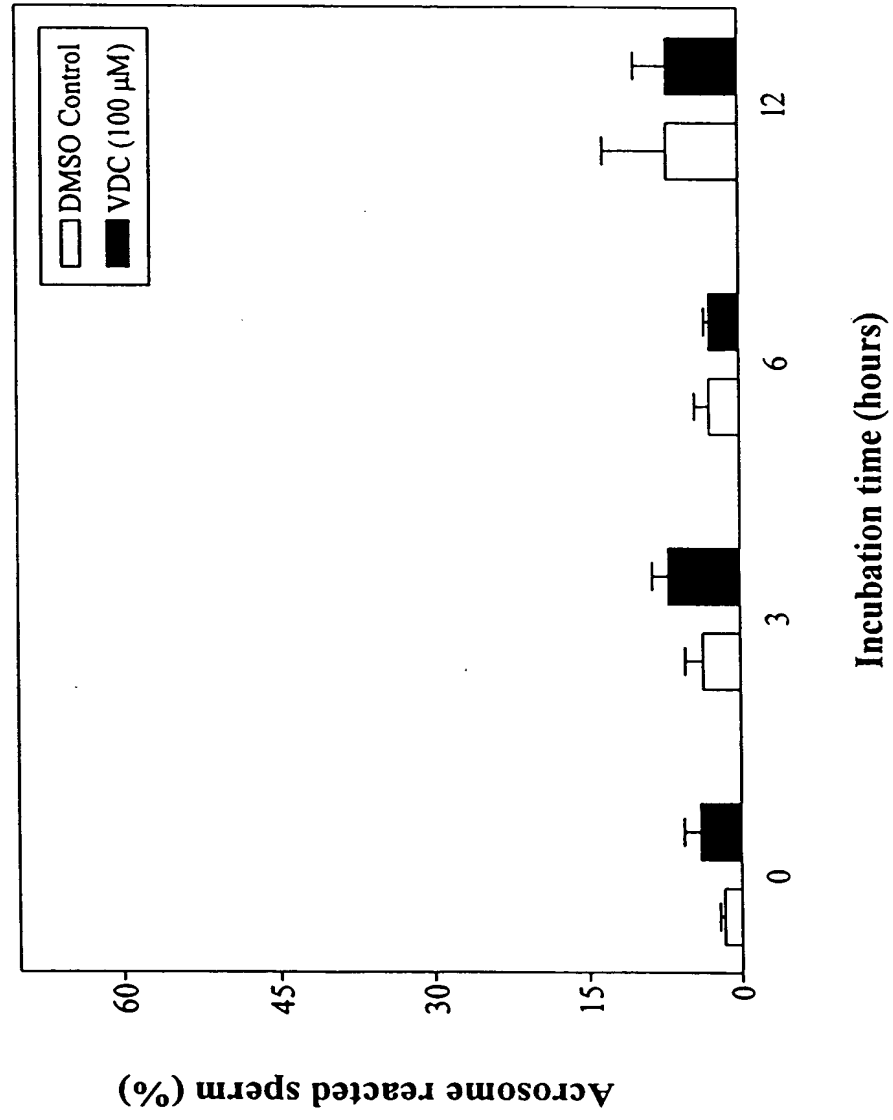


FIG. 4

FIG. 5A FIG. 5B FIG. 5C

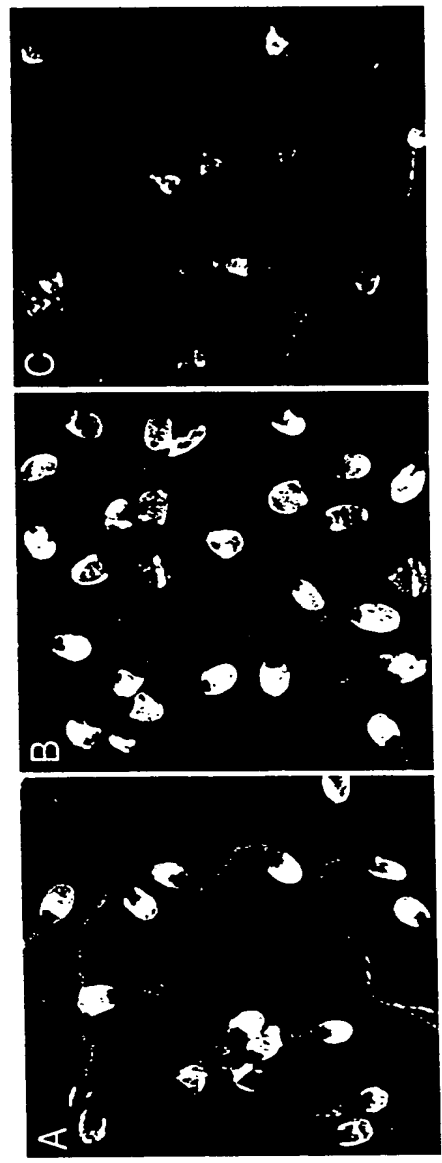


FIG.6A

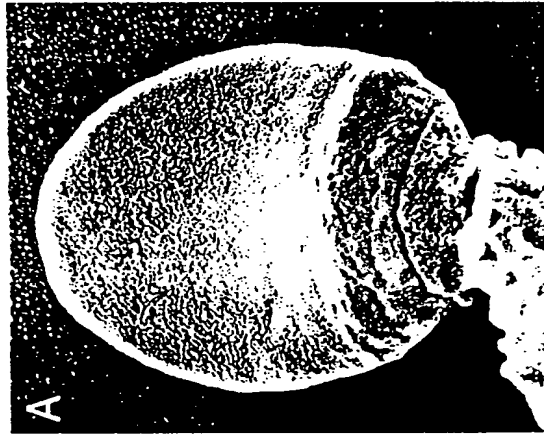


FIG.6B

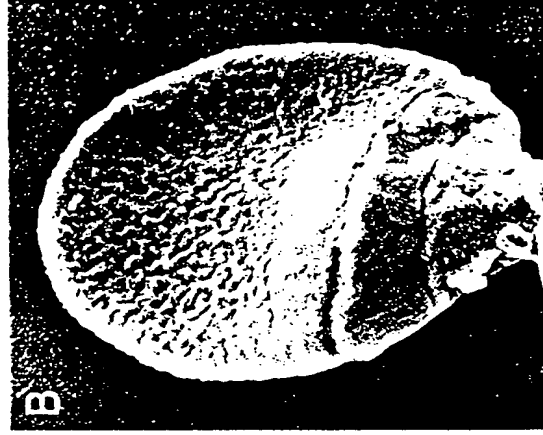


FIG.6C



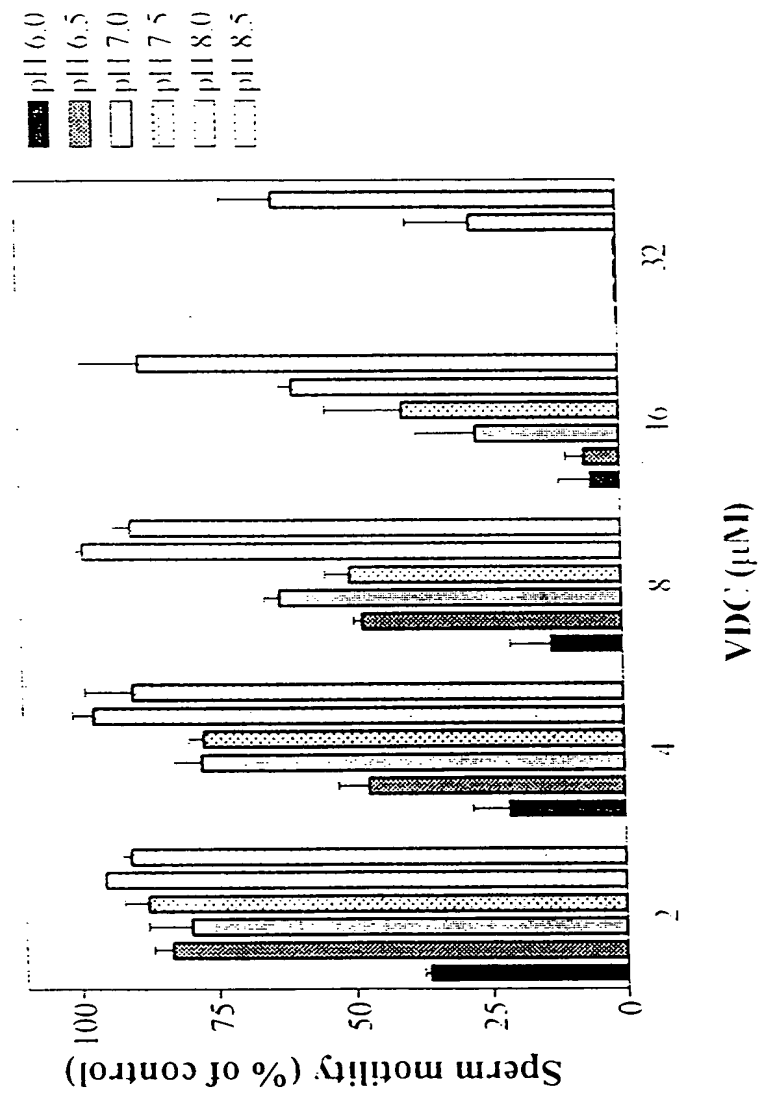


FIG. 7

FIG. 8

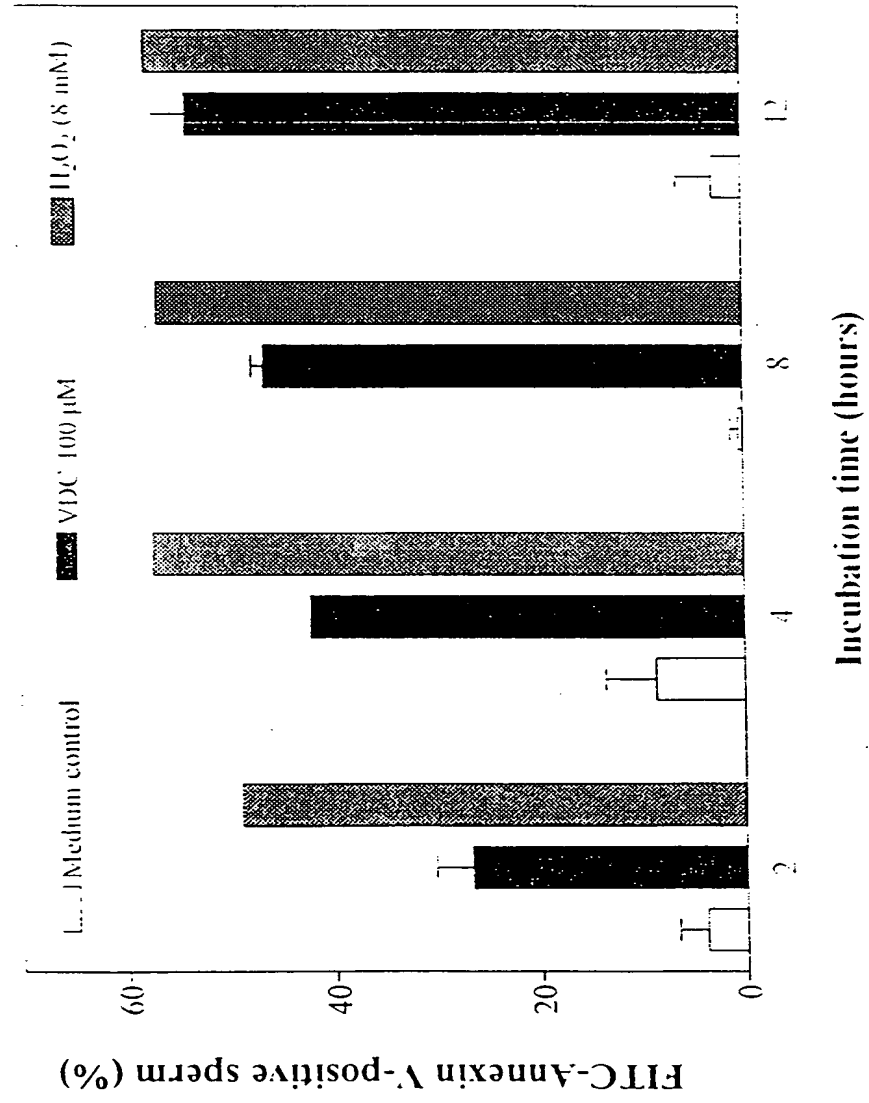


FIG. 9A



FIG. 9B



FIG. 9C

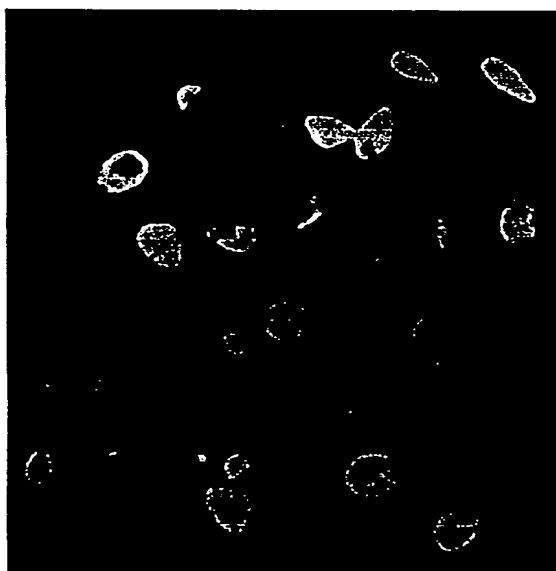


FIG. 9D



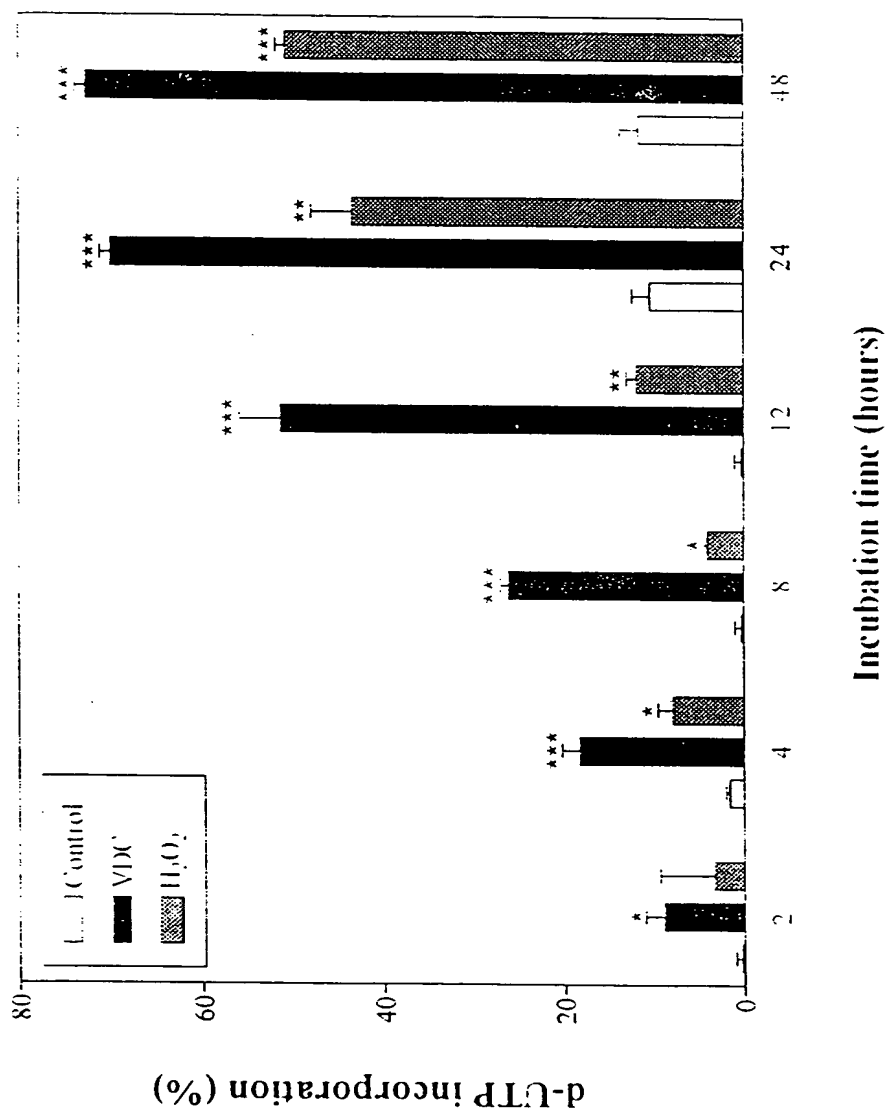


FIG. 10

FIG. II A

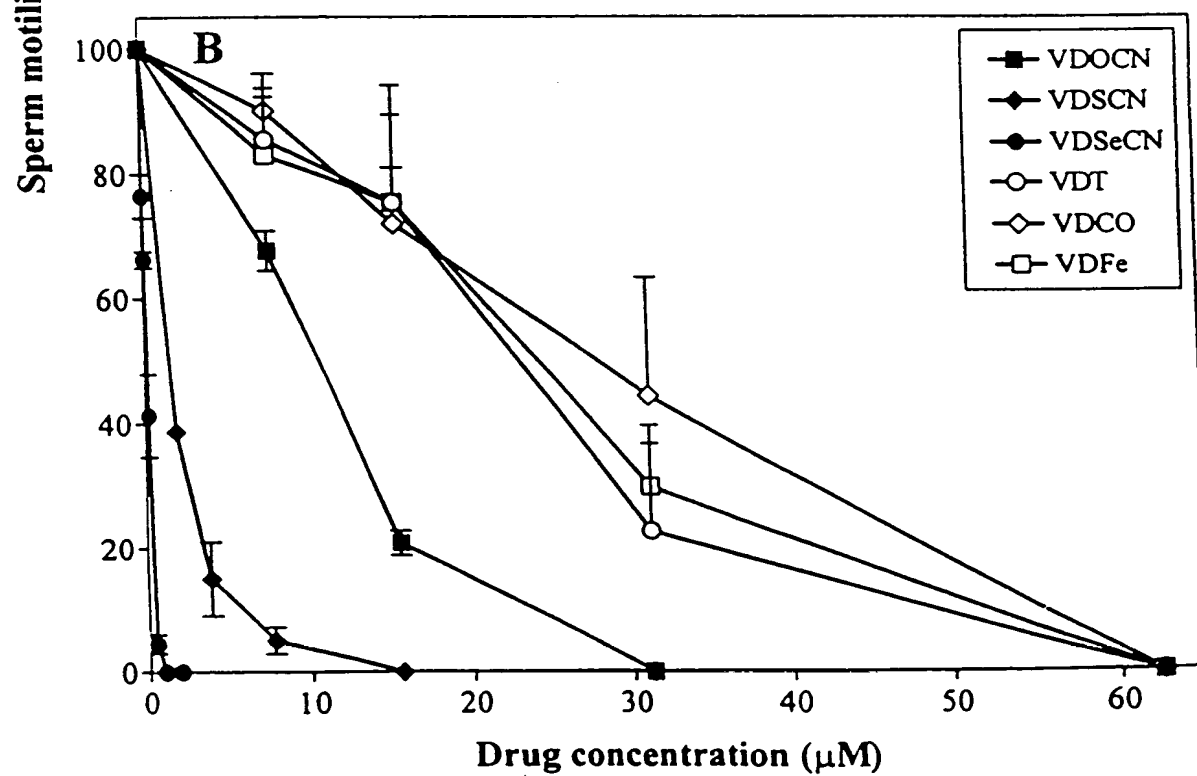
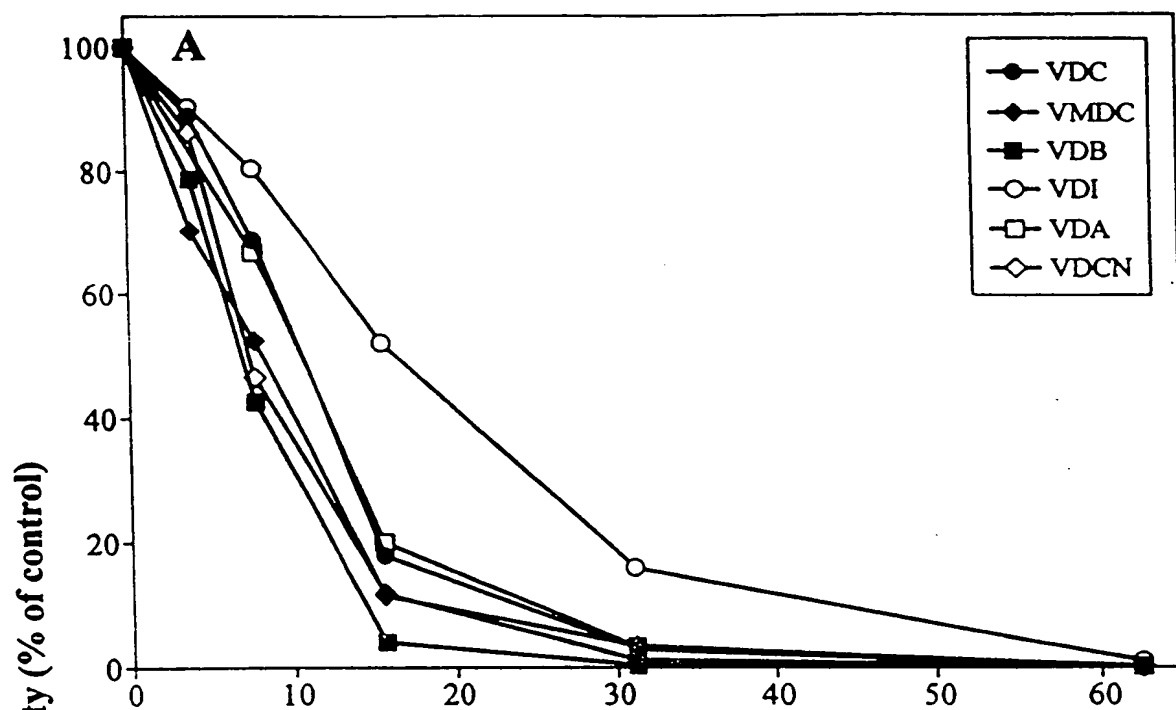


FIG. IIB

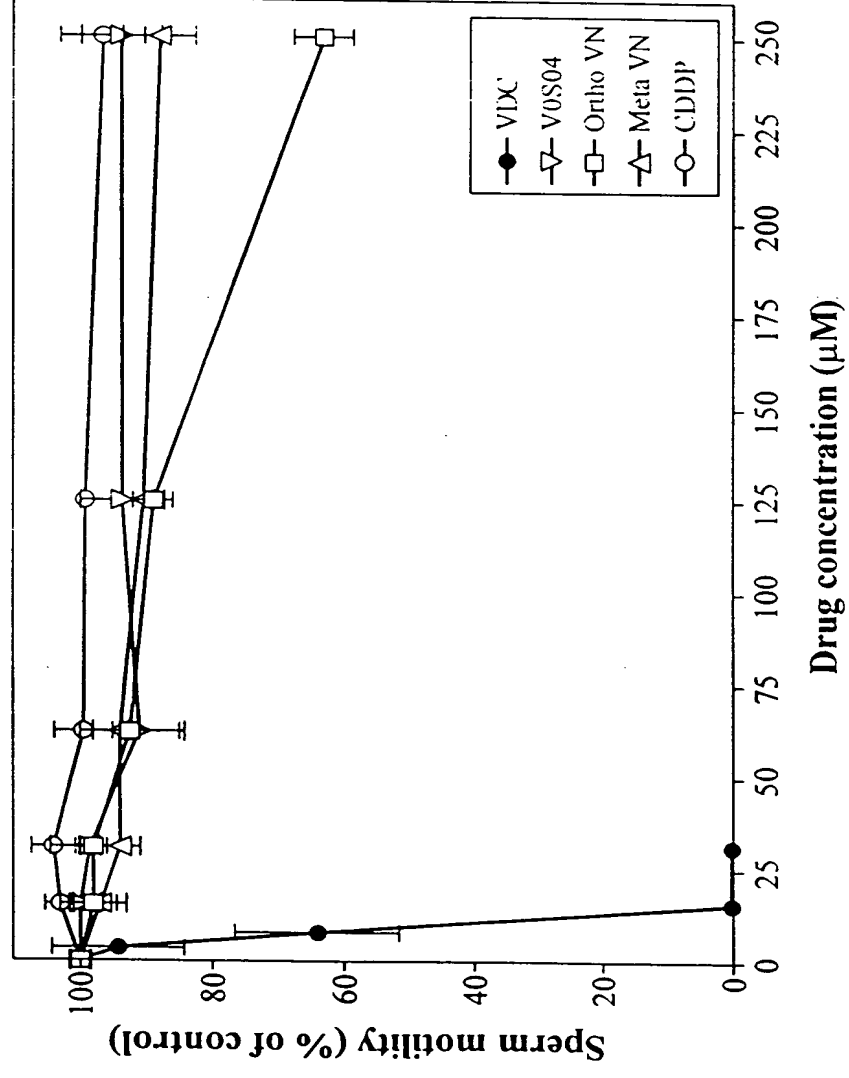


FIG. 12

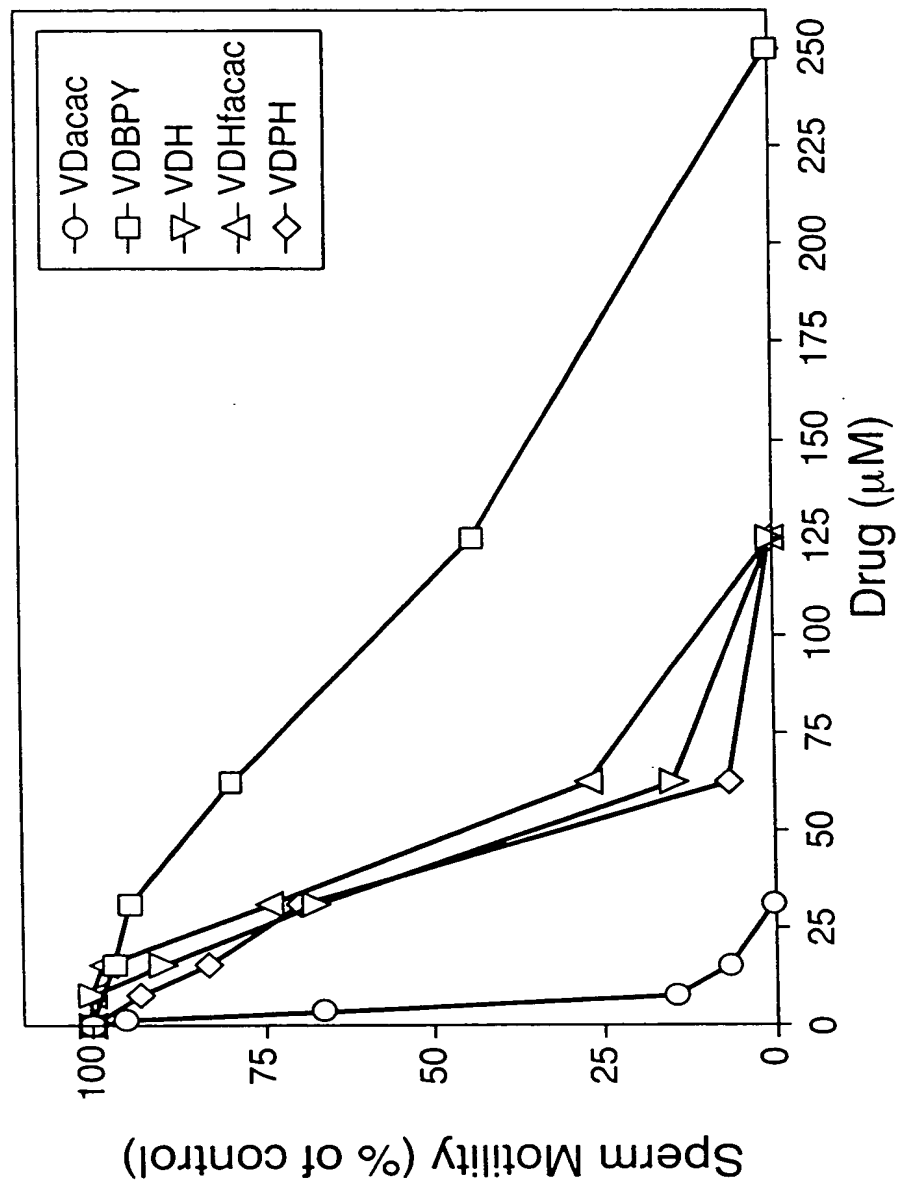


FIG. 13

FIG. 14A

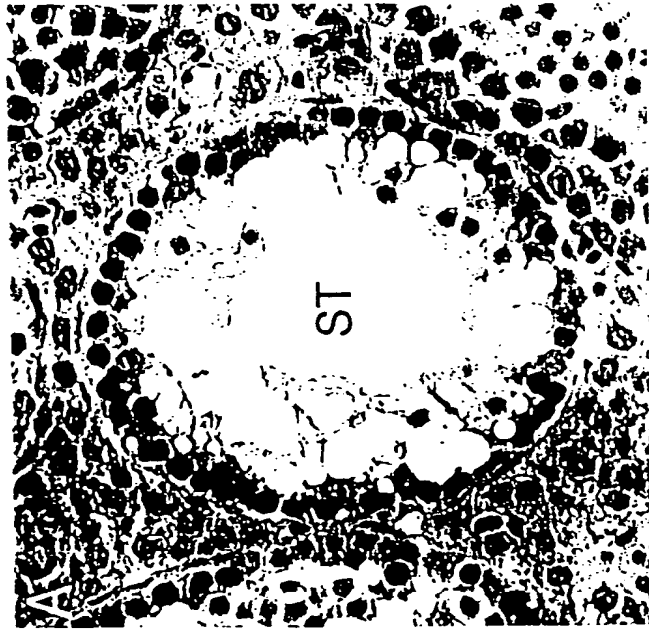


FIG. 14B

